

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

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EDITORIAL...

Again this month you will notice the head sheet is an Eye-Catcher and, well done by our Convention Host Tom J. Hidley of Chicago. King and I have been in constant touch with Tom, Ed Prond and John Opyd and by all indications their efforts will result in a National Convention as one to be remembered. The promised attending list of members is the largest of any year.

Our thanks to DXing HORIZONS for mention in the July issue too of our Chicago Convention. A tape with slides will be a event we all will enjoy, this comes to us from Bob Cooper of the DXing HORIZONS.

John Opyd tells us his hall is available to our members who may care to stay there over-night. Is there any of you who would like to "rough-it" a bit? bring along a over nite bag or something of that nature and camp in the hall. Hi!.....

You will note a new page prepared by John Cody. The article is a good one, and is just what our newer members want. Thanks to John, and to be sure- more will follow. Charles Wood has an equal as well page. I have word here at dead line from Bob Cooper that the Channel Master # 425 Parabolic UHF antenna is one worth looking into, very high gain etc. (an article on same in his magazine.)

A member of old standing, Frank Wheeler Box 176 Rt#5 of Erie, Pa. has consented to do a listings of your log and verification list of your stations. Totals, distance, date and time etc.... We are sure this type column will be welcomed by you members. Send all data to Frank so you can see how you stack up to your fellow members.

Thanks to Bill Nieman for the UHF list of TV-Stations, just add it to your recent list of V's. There will be another up-to-date list soon on all American standard TV stations in the western Hemisphere (excluding U.S.A. Can. and Mex.) Our thanks to Ed Rugel of Independence, Kansas for this one. (Ed will see ya at the convention too.)

Have you read the article in Popular-Electronics magazine on TV-DXing by King Schafer (June issue)- if not, do so! it's a good one. The response is coming in here fast and furious. New members are Celerino Castillo, Jr of Pharr, Texas; Alford Lalum-Brinsmade, N.D. William Stewart-Holena, Arkansas; Francois Demers-Lawrence, Mass..... Albert J. Kopce of Himrod, N.Y. renows and starts his 5th year. I've answered over 150 inquires into the AIPA thru the P-E article and it surely will increase our membership when all is said and done.

Thus far this year the "E" skip is not up to par, especially in these parts, and by reports- in all other parts of the country as well. Oh well! the convention will make up for it!! See you there.

(Thanks Dee for the fine head sheet of June)

Art Collins.

## Tips n' Tricks of TV-DX

To most beginners, TV-DX seems like a science too difficult to ever master. Even the "Old Pros" are sometimes hazy on some phases of DX. This column is meant to help both the novice and the 299 station man to a better understanding of TV-DX. I would welcome all comments and questions though I don't know if I'll be able to answer them.

The most important part of a DX system is, in my opinion, the antenna, for a \$150 TV set with a \$40 antenna will outperform a \$300 set with a \$5 antenna. There are many good antennas on the market, but the two most widely accepted DX antennas are the Channel Master TW-7 and the Wineguard CL-4X. Trios' and Tacos' best antennas are also popular. There has been quite a bit of friendly arguments about whether the CL-4X or the TW-7 is the better antenna. Below is a non-partial comparison of the two as shown in the August, 1959 issue of "Consumer Reports" magazine.

TW-7 - \$55 list price, \$75 in Canada  
Gain---ch. 2- medium with loss on low end of channel;  
ch 3-6-medium; ch. 7,8,10,13-high; ch.9,11,12,  
very high.  
Front/Back Ratio---ch. 7,8,13-fairly high; ch.2,3,4,  
9, high; ch.5,6,10,11,12, very high.  
Beam Width---ch. 2-8 medium; ch.9-13 narrow.  
Impedance Match---ch,2,3,6,9-13 fair; ch.4,5,7,8,good.

CL-4X- \$45 list price, same in Canada  
Gain---ch,2-8,10,13 medium; ch,9,11,12 high.  
Front/Back Ratio---ch,3,7,13, fairly good; ch.2,4,8-  
12 high; ch. 5-6 very high.  
Beam Width--- ch. 2-13 medium.  
Impedance Match---ch. 3-6,8,10-13 fair; ch.2,7,9 good.

As you can see, the TW-7 seems to be best for the high band. It is also a good FM antenna. The advantage of the CL-4X is its price, for it sells at considerably less than list through many mail order houses, which isn't possible with the TW-7 as far as I know.

Before I go any farther I should explain the terms; gain, Front/back ratio, beam width, and impedance match. Gain, which is measured in decibels (db) is how much the antenna amplifies incoming signals. A gain of about 14db is roughly the best that present TV antennas such as the TW-7 and CL-4X will produce. The simple dipole antenna has a gain of only 1db. The front/back ratio is a ratio of how much a signal entering the front of the antenna will be amplified than a signal entering the back. A 10-1 ratio is fairly good. To understand beam width, think of a circle with the antenna at the center. If we have a beam width of 30° (medium for TV) then we say that a 30° section of the circle centered on the front of the antenna is the area where maximum gain occurs. Thus, if we have a gain of 12db in this area, called the main lobe, then it might decrease to, say 8db outside of 30° area. Of course the antenna is not perfect and will develop small areas of good gain, called side lobes. These are undesirable because they cause ghosts, co-channel interference, etc. A narrow beam width is directivity. Good directivity occurs when there are few side lobes and a narrow beam width.

TO BE CONTINUED

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

FCC NEWS

July 6, 1960

Applications in to FCC:

Ch 15 Popular Bluff, Mo. 11Kw-11Kw.

WHP-TV ch 35 and WDTV(TV) both of Harrisburg, Pa. seeking lower UHF channels- ch 21 and ch33 (the WDTV ch 35 is now dark.)

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Calls assigned & changed:

KAIT-TV (new) to Jonesboro, Ark.

KGIN-TV " Grand Isl. Neb.

KFUR-TV " Sante Fe, N.Mex.

WFTV(TV) changed from WFEN-TV in Clearwater, Florida.

WHNB-TV changed from WNBC(TV) in New Britian, Conn.

WNBC-TV changed from WRCA-TV in New York City.

NEWS BITS:

Word from Bob is that there is a new Ch 5 in Honduras with 4Kw power...Is located in Tegucigalpa, Honduras. Also a new one on the air Panama HOHM-TV ch 4 with 49 Kw power.

It's almost sure now that there won't be any more VHF space given us for television. (The U.S. says no....)

Some 31 idle UHF permittees which have not started construction must tell the FCC why their cp permits should not be canceled

There is more and more talk of pay-television----Will it go, or not ?

WJPB-TV ch 5 Weston, W.Va. signed on with programs June 23rd. (ABC-TV)

KORN-TV ch 5 Mitchell, S.D. a new one on now and affiliated NBC-TV, 12th

KUTV(TV) goes NBC-TV on Oct 2nd. 1960.

KCPX-TV ch 4 Salt Lake City, Utah formerly KTVT goes to ABC-TV this fall

KTNT-TV ch 11 Tacoma, Wash. now CBS - June 1st.

CBXT(TV) ch 5 Edmonton, Alta. Canada expects to go on air next Spring.

CHSA-TV ch 2 Lloydminster, Sask. Canada expect to go on late August/

Buenos Aires, Argentina S.A. put on a new ch 9 station June 9th '60.

KBLR-TV ch 9 Goodland, Kan. filed bankruptcy (wonder how much longer they will be on.)

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John C. Dyckman (WPE8BY) of 318 Fairview Ave. Canfield, Ohio writes that he would like reports forms to report FM reception.. Thats one on us.! We will make up some FM forms. those who would like same, please drop me a line. John sends along some nice photos of his set-up. (We have no printed stationery available now, sorry John.)

Tapes are coming in now for re-run at the convention...There will be some words of real interest to listen to. It will be nice to hear the actual voices of those DX friends you have been corresponding with.

We are of the opinion that this year's DX (especially E's) will be one of the bad years. by all reports and indications it has not been exceptional any where in the country. No double-hop reports (if you want to call it double-hop.)

We don't go for Pay-TV or Payola, but we do go for "Pay-your-dues"

HII

See you in Chicago

Art Collins.

AMERICAN IONOSPHERIC  
Headquarters Buffalo, N.Y.

PROPAGATION ASSOCIATION

~~July 1960~~ "Rank Column" by Walter W. Spaulding  
~~Well here it is July already and convention month. Am going to be~~  
in Chicago or bust. Have tape and recorder ready for anything special  
that may pop up. Mr. Hidley plans on having a good time and also Ed  
Prond and Mr. Olyp. Hope we have a very good turnout. I will always re-  
member last year here in Cardington. And all the others I have attendd  
I want to take the space to thank each and every one of you who  
voted for me as a board member again this year. Now to get to the let-  
ters for this month. I want to thank B.J. Bingham, Frank Hill, Ed Rugel,  
Bob Berg, and also another Ohioan J.C. Dyckman.  
Mr Dyckman has a rather small report but small or large they all will  
end up in this column.

John is a ham operator from Canfield a near suburb of Youn-  
gstown, Ohio "WPE8BY". He has only 5 TV stations to his credit and he  
says for not other members to feel bad. His 5 are verified. He has also  
sent in some sign on and off hours for KYW-TV 3 WEWS 5 WJW-TV 8  
and WKBN-TV 27

KYW-TV 3	Cleveland	Sat.	0730	0100	Sun.	0730	0100	WD	0625	0100	EDT	
WEWS	5	Cleveland	Sat.	0900	2315	Sun.	0830	2315	WD	0900	0100	EDT
WJW-TV 8	Cleveland	Sat.	0700	0100	Sun.	0700	2320	WD	0700	2330	EDT	
WKBN	27	Youngstwn	Sat.	0800	2310	Sun.	0930	2310	WD	0800	2320	EDT

Will look you up next time I go to New Castle John (Editor)

~~This next report is from Bob Berg Norfolk, Virginia. He also agrees~~  
with me that last month bulletin was a sad looking thing but not as  
bad as the month before there wasn't even one for the Rank Column. I  
only talking for my column the rest are very good.

He has a very fine station list as follows

2	23	Sta.	Best	trops	WUSN	360	miles.	Best	ES	CKCK	1750
3	5	"	"	"	WBTW	300	"	"	"	KFDX	1325
4	10	"	"	"	WUNC*	160	"	"	"	KXJB	1350
5	15	"	"	"	WCSC	360	"	"	"	WORA	1450
6	10	"	"	"	WECT*	220	"	"	"	KUAT	2005
7	3	"	"	"	WABC*	310					
8	3	"	"	"	WBTW	275	"				
9	3	"	"	"	WOR*	310	"				
10	3	"	"	"	WCAU*	240	"				
11	2	"	"	"	WBAL*	175	"				
12	2	"	"	"	WSJS	230	"				
13	3	"	"	"	WJZ*	175	"				

No UHF Stations logged yet.

He has received stations in 24 states, Washington D.C., Puerto Rico, 2  
Cuba(4), and Canada(1)

~~My ole pal from Southern Ohio has some veries signers to report~~  
this month.

CFMM	(4)	Andrew N. McLellan, Mgr. Public Rel. Quebec 2	Canada
CKMI	5	Same as above	
KARD	3	Linda Gard, Prom. Dir. 833 N. Main St. Wichita 5	Kansas
KXLY	4	C. Eng. West 315 Spague Ave. Spokane, Wash.	
KHPL	6	Donald E. Pope C. Eng. Holdredge, Neb.	
KDLO	3	Mid-Continent Brdcasting Co. Lower Brule, S. Dak.	
WTAE	4	C. Greg Van Camp Prom. Dir. 400 Ardmore Ave. Pgh. 30, Pa.	
KRON	4	C. Eng. 929 Mission St. San Francisco 19, Cal.	
YSU	4	R. H. Rahn C. Eng. San Salvador, El Salvador. Cen. America	
KUTV	2	179 Social Hall Ave. Salt Lake City 1	Utah
KDAD	3	C. Eng. Duluth 2	Minn.
KTBS	3	C. Eng. Radio TV Center, Shreveport La.	
KVOO	2	Gen/Mgr. 311 S. Denver St. Tulsa Okla.	
KHAS	5	C. Eng. Neb. Tel. Corp. Hastings, Neb.	
WSFA	12	Prog. Mgr. P.O. Box 2566 Montgomery Ala.	

This has been a good month for letters so keep them coming mail man  
has a new car so I beleive he will be able to deliver them in good  
shape. See you at the convention July 16 & 17 W.W. Spaulding  
RD # Cardington, Ohio

AMERICAN IONOSPHERIC  
Headquarters Buffalo N.Y.

PROPAGATION ASSOCIATION

July 1960

"Rank Column"

by Walter Spaulding

-- Well to continue with Frank Hill signers --

KOTV 6 Dir. Public Rel. 302 S. Frankfort Tulsa 20 Okla.  
KNOP 2 C.Eng. North Platte, Neb.  
KTVG 6 C.Eng. Ensign, Neb.  
WHO 13 C.Eng. 1100 Walnut St. Des Moines, 7 Iowa  
KGLO 3 Prog. Dir. Mason City, Iowa  
~~WCCO~~  
WIBW 13 C.Eng. Copper Publications Ins. Topeka, Kan.  
WLBT 3 Mgr. P.O. Box 2171 Jackson Miss.  
WJPB 5 Now Testing address letters to Gen. Delv. Weston, W. Va. welcome  
KRCA 13 C.Eng. Jefferson City, Mo.  
KXJB 4 Vice. Pres. 15 A West Central Ave. Minot, N.D.  
KDIX 2 C.Eng. P.O. Box 1152 Dicksonson N.D.  
WOAY 4 Prog. Mgr. Oak Hill W. Va.  
WCCO 4 Dir. Eng. 50 S. 9th st. Minneapolis, Minn.  
Thanks a lot Frank BCNU sometime

Our member out in Independence Kansas has a good listing for this month. He says he hasn't been able to do much as he is going to college and just doesn't have the time.

Total number of stations logged 203  
Number of stations verified 200  
Stations not verified XEZ-3 CMA-3 KCRA-3  
Number of stations on channels  
2 33 3 31 4 37 5 32  
6 24 7 12 8 9 9 5  
10-- 6-11-- 3--12--6--13--8

Longest reception by channels

2	WGBH	Boston, Massachusetts	1375 Miles
3	KCRA	Sacramento, Cal.	1455
4	KXLY	Spokane, Wash.	1365
5	KTLA	Los Angeles, Cal.	1315
6	CBMT	Montreal, Quebec	1310
7	WTRF	Wheeling, W. Va.	860
8	WOOD	Grand Rapids, Mich	665
9	WTOP	Washington D.C.	1030
10	WKNO	Memphis, Tenn.	355
11	WHAS	Louisville, Ken.	555
12	WKRC	Cincinnati, Ohio	640
13	WTVT	Tampa, Florida	1040

Number of stations logged over 1000 miles 49  
Average distance for all stations 203 both high and low band 679 mi.  
Avg. distance high band (49 stations) 408 miles  
Avg. distance low band (154 stations) 765 miles  
Number of countries verified 4 (USA Canada, Mexico, Cuba)  
Number of states verified 39 and D.C.  
Number of provinces verified 5  
Number of Cuban stations verified 2  
Number of Mexican provinces verified 2 (3 Logged)  
Thanks for the nice report Ed hope to hear more from you soon.

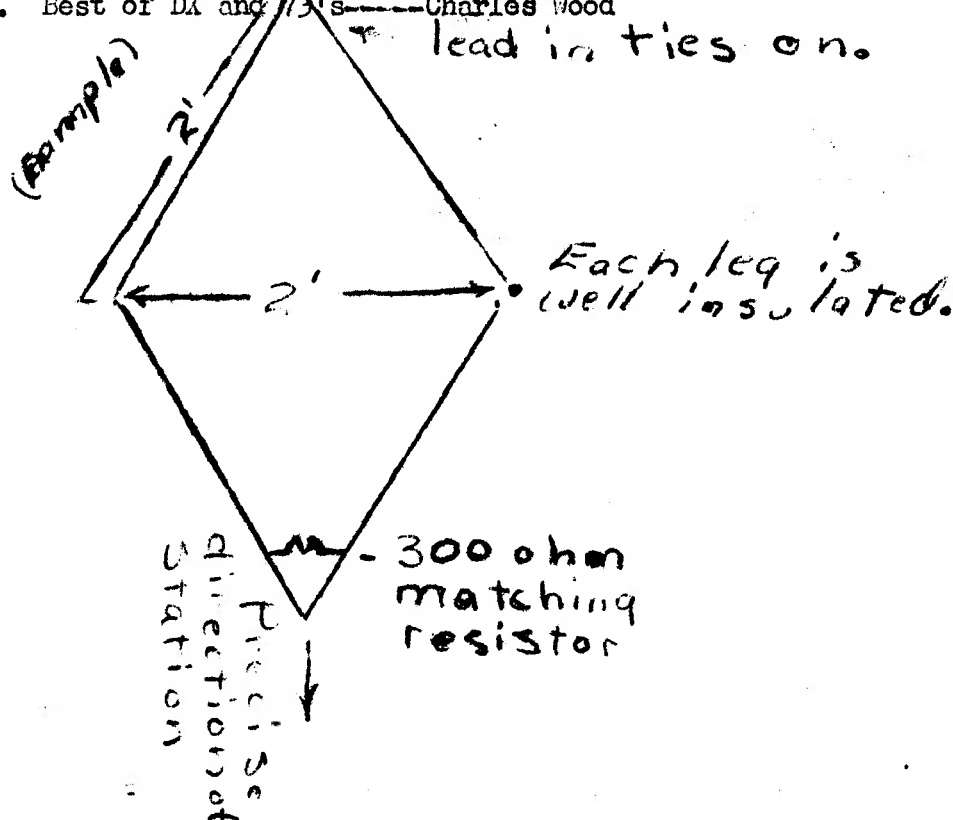
-- Well my log has finally reached 100-101 to be exact. --  
We need more reports like listed this don't matter are large or small they will appear here.  
See YOU all at the CONVENTION in CHICAGO 16 & 17 1960

Walter W. Spaulding  
R.D.# 3 Box 168 Cardington, Ohio

This month the news concerns mainly the Western Dxers. The response for a Western Convention has been very good. I have received letters from Dennis Smith, and several other Dxers all in favor of a convention and they have assured me that they could probably attend the convention. What is to be done is very simple. I want ALL Western Dxers to write me as soon as possible telling me whether they can attend and if so what time this summer would be best for them. As soon as I find out we can determine the best time and rearrange our vacations for it. Another thing we have to determine is the place. I feel that my location is as centrally located as any on the West Coast. My home is rather large and I could handle everyone that could possibly attend. However if any of you have other preferences let me know now. So much for the convention plans.

This month the main part of my article concerns a type of antenna when properly built will out perform yagis. Perhaps before I joined an article of this type was written however I feel that it is worth repeating. This antenna is called a rhombic and is not to be confused with the commercial jobs called rhombics. There is only one draw back to a rhombic, it requires lots of room. Also, to get satisfactory results on the lowband it is almost impossible unless you have very large amounts of room. To determine the measurements for a rhombic, take the length in feet of the channel or wavelength, divide that by 468 and divide again by the frequency. Each side of a rhombic is called a leg. Better results are assured by making each leg of a rhombic as large as possible. For example the elements of yagis are generally quarter or one half wavelengths. I wouldn't recommend a rhombic with each leg less than a full wavelength. You can then double or even triple the length. Across the center, the width should be that of one leg. To match the impedance place a 300 ohm resistor (see illustration) or as close to that as possible at one end. To mount the rhombic, wooden poles can be erected or a frame can be built with a mast mount in the center for mounting on a mast, providing the rhombic is built for the high band.

Well, that about covers everything for this month remember to write. I had letters this month from about a dozen people and I sure appreciated them and I will answer just as soon as possible. Best of DX and 73's — Charles Wood





Frank Wheeler Erie, Pa.---Es, KTVR-2 KCKT-2 Apr. 26; Trops, Apr. 27, WNEM-5 also on May 2, 4, 5, 6, 8, 16, 19, 24. Aurora on May 6, 24. Es, June 3, KGNC-4 KARD-3; June 17, WESH-2 WSAV-3 WUSN-2; June 22, WBRZ-2 KMID-2. Trops June 1, WSYR-3; June 2, WJIM-6; June 9, WILX-10 WJIM-6; June 19, WBNF-12 WSYR-3; June 20, WJIM-6. Log at 134 with 1 new

David Kanarr, Buffalo, N.Y.--- Trops, June 19, WOR-9 WAKR-49 WBNF-12 WBAL-11 WJZ-13 WCAU-10 WAVY-10; June 27, WJRT-12 WILX-10; Es, June 17, WEDU-3 KOTA-3 WEAR-3; July 3, KHPL-6. All above are new. This brings his log to 69, with 14 new.

Bill Eckberg, Walnut, Ill.--- Es, May 15, KUTV-2 KREX-5; May 16, WCBS-2 WTIC-3; May 22, KMID-2 KPRC-2; May 30, WBRZ-2; June 16, KMID-2 KRIS-6 KRGV-5 KGBT-4 XEFB-3 KPRC-2 KUTV-2 WAIQ-2; June 17, KTWO-2 KMID-2; June 21, WBRZ-2 KMID-2; June 23, WUSN-2; June 24, WESH-2 WTHS-2; June 26, KMID-2. TROPS, May 22, KMBC-9 KOLN-10 KETV-7 WOW-6; May 23, KELO-11 KDPS-11; June 17, WTCN-11 WSBT-22 WSJV-28 WNDU-16 WTOL-11; June 22, KSTP-5 WTOL-11. His log now at 205 with 2 new

Norm Erint, Kenmore, N.Y.---Es, June 17, WUFT-5. TROPS, June 18, WOR-9 WSIX-8; June 19, WHTN-13 WCAU-10 WBOY-12 KFVS-12 (685 miles). His log now at 203.

Richard Nieman, Buffalo, N.Y.---Es, June 17, WEDU-3 KOTA-3 WLBT-3 WREC-3 WBAP-5. TROPS, June 18, WBOY-12 WAST-13 WNTA-13 WCDC-19 WOR-9 WPIX-11 WMUR-9 June 19, WLEX-18 WKYT-27 (both 450 miles) WAVY-10 WHIO-7 WTVR-6 WTVW-7 KFVS-12 (685 miles). His log now at 246 with 9 new. Trops stations good up to 300 miles on June 19.

David Janowiak, Milwaukee, Wis.---Es, May 15, KMID-2 KPRC-2 KFDX-3; May 17, KMID-2 KPRC-2 KFDX-3; May 18, KMID-2 KPRC-2 KTVR-2; May 19, CKCW-2 CEFT-2 WLBZ-2. TROPS, May 17, WMT-2 KCRG-9 KWWL-7. May 20, trops good to 300 miles to east. Ms, KROD-4 WJXT-4 WTVJ-4 KRLD-4. His log is now at 241 with 2 new.

Hermione Burritt, Waterloo, N.Y.---Es, June 17, KARK-4 WRBL-4; June 23, WTHS-2; June 24, KCKT-2. TROPS, June 18, WICU-12 WLWI-13; June 19, WFBG-10. Poorest season in many years.

John Parillo, Girard, Ohio---Es, May 24, KMID-2 KFDX-3 KRIS-6 KPRC-2 KGBT-4 WTHS-2 WAIQ-2; May 30, KPRC-2 KPAC-4 KTBS-3; June 12, CMQ-6 WTVJ-4; June 17, WTHS-2 WEAR-3; June 21, WTHS-2 WPTV-5 WTVJ-4 CMBF-4 CMQ-6; June 22, CMBF-4 CMQ-6. TROPS, June 19, WHAS-11 WLWT-5 WNBQ-5 WFBM-6 WPSD-6. His log now at 157 with 3 new

Thomas J. Hidley, Chicago, Ill.---Es, June 13, WTVJ-4; June 23, KID-3 WOAI-4, Ms, June 7, WCBS-2 WKY-4. TROPS, May 29, WCPO-9 KMOX-4 WMT-2; May 31, WCHU-33 WTVP-17 WFIE-14; June 18, KYW-3 WKRC-12 KFVS-12; June 22, WTCN-11; June 23, KROC-10. His log is now at 136 with 3 new.

Ferdinand Dombrowski, Okauchee, Wis.---Es, May 31, no IDs; May 24, KXGN-5 (tent.) June 3, KMID-2; June 11, KPRC-2; June 17, KTVR-2 KTWO-2 KFBC-5. TROPS, June 22, WKZO-3 WSAU-7 WOOD-8 WILX-10 WTTW-11. His set broke on March 31 when trops was hitting in the midwest. Loggings were made on his parent's set, when he could get at it Hi. His log is at 174.

Billy Draeb, Kewaunee, Wis.---Es, May 22, WESH-2; May 24, KPRC-2 KBTX-3 WOAI-4 KSYD-6 KFDX-3 KCEN-6 CJBR-3; June 3, CHSJ-10 CKCW-6; June 7, WEAR-3 WKR-5; June 9, KBTX-3 KPRC-2 KCEN-6; June 11, KPRC-2 KBTX-3 KRLD-4 KFDX-3 WBAP-5; June 12, WTVJ-4; June 17, WUSN-2 WSAV-3 WCSC-5 WAIQ-2 WOAI-4 KID-3 KGNC-4 KOB-4; June 18, WESH-2 KMID-2. TROPS, The following were received almost every day WTOL-11 WJBK-2 WILX-10 WWJ-4 WJRT-12 WXYZ-7 CKLW-9 KROC-10. May 20, WHEF-4 KCRG-9; May 23, KDAL-3; KCRG-9; May 24, KWWL-7 WTHI-10 CFPL-10 WISH-8; May 26, WMT-2 WJW-8 WISH-8; May 29, WCIA-3 WTCN-10 KDAL-3 KCRG-9; June 16, WICU-12 KYW-3; June 20, WFBM-6 WCPO-9 WHAS-11.

Frank Hill, Gallipolis, Ohio---Es, May 24, CEFT-2; June 7, KPRC-2 KFDX-3 KRLD-4 WBAP-5 KCEN-6; June 8, KCKT-2 KVOO-2 WKY-4 KTVR-2 KOA-4 KCSJ-5; June 11, KVOO-2 KCKT-2 WKY-4; June 12, CMBF-2 WTHS-2; June 16, WTHS-2;

June 17, WLBZ-2 CKCW-2 KTVR-2; June 21, WTHS-2 WTVJ-4 WPTV-5 WDBO-6 CMBF-2 also ch. 3 and 4 network. KPRC-2 KFDX-3 KRLD-4; June 22, WTHS-2 KMID-2 WESH-2 WJXT-4 WTVJ-4 WEAR-3 KPRC-2 KPAC-4 KRGV-5 KCEN-6; June 23, KPRC-2 KRLD-4 KGPT-4 KRGV-5 KCEN-6 KRLD-4 WBAP-5. TROPS, June 6, WJPB-5. His log is now at 289 with 2 new.

## CONTEST STANDINGS

Donald Ruland	895 points	Remember, you still have
Bob Berg	381 points	
Bill Nieman	259 points	until August 27.
David Kanarr	70 points	
Dennis Smith	39 points	Fran Hill 95 points
Frank Wheeler	27 points	

If on one day lets say you log a station 125 miles away, each day you log that station, it counts on point. If you can get it 20 times a month, you have 20 points. See last months Bulliten for the chart with the number of points to give each station

Carlton Howington, Uniontown, Ohio---Es, May 15, WBRZ-2 WOAI-4 KPAC-4 WWL-4 WDSU-6 KPRC-2 WBAP-5 KGNC-4 KNOP-2 KTVR-2 KDUH-4; May 29, WESH-2 WTHS-2 WTVJ-4; May 30, KPRC-2 WOAI-4 CMAB-2 WTVJ-4 WBRZ-2; June 17, WESH-2 WSAV-2 WTVJ-4; TROPS, Apr. 17, WFIL-6 WCAU-10 WBAL-11 WJZ-13; Apr. 22, WHIS-6 WOOD-8 WTOP-9; May 17, WBBM-2; May 26, WTOP-9; June 18, WLWI-13 WWTW-13 WHAS-11 WLAC-5 (over local) WSIX-8 (over local); June 19, WDEF-12 KFVS-12 (500 miles) WJHL-11 WCAU-10 WNEQ-5 WREX-13 WBAL-11 WFBM-6 WRC-4 WHAS-11 WPSD-6; June 22, WCAU-10 WFIL-6 WBNF-12 WFBM-6; June 25, WFBM-6 WLWI-13; June 27, WRC-4 WTOP-9.

B.J. Bingham, Festus, Mo.---Bedford Brown and B.J. Bingham will be at the convention in Chicago. Soulld arive at 6:45 A.M. July 16th Es, May 31, XEFB-3 KTVK-3; June 7, CMAB-2 CMH-3 CMBF-4 WTHS-2 KID-3; June 17, WMAR-2 WRCV-3 WTAR-3 WNBC-4 KID-3 KTL-6; June 21, CMQ-6 CMKJ-3 CMBF-4 CMH-3 CMAB-2 XEFB-3 XEZ-3 XEW-2 KUAT-6; June 22, XEW-2 XEZ-3 XEFB-3; June 23, KTL-6 KID-3 KLRJ-2 WTAR-3; June 18, WIBW-13 KFEQ-2 KPLC-7 KLFX-10 WBOY-12 KONE-8 KTV-10 KTHV-11 KVOO-2 KMBC-9 WSIX-8 WHIO-7 WLWD-2 WCPO-9 WHBQ-13 WREC-3 KATV-7 WSAZ-3 WFAA-8 KFJZ-11 KRLD-4 WNCT-9; June 19, WRGP-3 WTRF-7 WJAC-6 WIIC-11 WLWD-2 WHTN-13 WCPO-9 WHAS-11 WNBQ-13 WREC-3 KTHV-11 KATV-7 WSIX-8; June 21, KFSA-5 KTHV-11 KMBC-9 WMCT-5 WKBK-7 WLAC-5 CMQ-6 CMKJ-3 CMH-3 XEFB-3 XEZ-3 XEW-2. Log now at 242 with 13 new.

Bill Nieman, Buffalo, N.Y.---Es, June 17, WEDU-3 KOTA-3 WREC-3 WLBT-3 WBAP-5, TROPS, June 19, WNEP-16 WAKR-49 WKBN-27 WFMJ-21 WDAU-22 WHTN-13 WTOL-11 WNTA-13 WXYZ-7 WBNF-12 WOR-9 WBAL-11 WSYE-18 WINR-40 WIIC-11 WBNS-10 WLEX-18 WKYT-27 (both 450 miles) WBOY-12 WHIO-7 WCAU-10 WAVY-10 WFIL-6 WTVR-6 WANE-15 WJRT-12 WTVW-7 KFVS-12 (685 miles). Log now is at 204.

The 18 and 19th of June seem to have been a very good day On tropes all over the country.

# ATTEND THE CONVENTION

## JULY 16-17 IN CHICAGO



FM DX

JULY ,1960

A.I.P.A.

Phil Jacobs

6097 Macdonald Avenue

Montreal 29, Quebec

Hi! No DX here, but there were a few reports, which show that there was Es.

Jim Hughes, P.O. Box 2182, Saginaw Michigan says WBCM-FM, 96.1 with 41KW is now on the air from Bay City Michigan. Their schedule is 2PM to 11PM, EST. Jim has had no new DX to report, except for WKAR-FM from Grayling Michigan, 146 miles from Lansing. Thanks alot for the reports Jim, and please write again soon.

Dave Nieman, 16 Wasson Street, Buffalo 10, New York, has received the following new stations: WSYR 94.5; WHLM 106.5; WDOX 102.1 Cleveland; WPEF 105.9 Middletown Ohio; WVKO 94.7, Columbus; WNOV 107.9, Cleveland; WGBI, 101.3 Scranton; WNAV 99.1 Annapolis Md.; WBAZ 94.1 Pittsburgh; WATG 101.3 Ashland; WTIT 101.5 Pittsburgh; WDDS 93.1 Syracuse. Thanks for the report and the sched, Dave.

Gordon Simkin, Idaho Falls, Idaho, has received many stations via skip on May 22 and May 24. His DX is as follows: May 22: KVCR-91.9 San Bernardino; KFAC-92.3 Los Angeles; KCMA-94.9 San Diego; KFSD-94.1 San Diego; KUFM-93.3 El Cajon Calif.; KNFP-89.7 Arlington Calif.; KSDS-88.3 San Diego; KGB-101.5 San Diego; KPMB-100.7 San Diego; KRLD-92.5 Dallas; WBAP-96.3 Fort Worth; and KGNC-93.1 Amarillo Texas. If anyone knows the call of the San Diego on 94.9, please send it to Gordon. Gord also ~~saw~~ saw Es on May 24, but no IDs. Thanks for the report Gord.

Don Voegle, 5572 Broadway, Lancaster, New York says that on June 18 the tropes were excellent, and Philadelphia stations were received very well. Don's receiver is a Heath, PT-1 tuner. Thanks for the card Don, write again.

Albert J. Kopec, R.F.D. 1, Himrod, New York uses a 1949 Stromberg-Carlson and a folded dipole for 96 mcs., which works very well. Al has logged 35 stations, including WIBG-FM, Philadelphia; WKOK-FM, Sundury Pa.; and WGBI-FM, Scranton. If anyone has any knowlege of a station in Towanda, Pa., please send it on to Al, as he has an unidentified station there.... Al, your WQAL in Philadelphia is on 106.1. I use a Jones' log to ID FM stations, although it is not up to date. Thanks for the letter, and write soon.

That is all that was received up to today, June 25. Please send all your FM DX or station information to me. I will print the column from now on on the 24th or 25th of each month, so ~~ixg~~ please get the reports in by then.

Until July, then,

Southern DX.  
July, 1960

Compiled by: Donald Ruland,  
834 8th St, Holly Hill, Fla.

Trops continued its record-breaking openings in June...however it moved out of the deep South. E-skip moved in, with longer and stronger openings. Let's examine the goings-on a little closer:

Ray Foster Jr., Monroe, Louisiana---Via Es: June9--KUTV-2; June 10--XEW-2; June15--KOOK-2; June16--KUTV-2; June17--KTVR-2 KDIX-2. KTCA-2. Via trops: May25--WSFA-12 WBRC-6; May29--WAPI-13 WMCT-5; May31--KPRC-2 KTRK-13; June4--KONO-12; June8--KFSA-5; June9--WREC-3 WMCT-5; June11--KRLD-4 WFAA-8 KPRC-2 WWL-4; June12--WBRC-6 KRLD-4; June14--KTRK-13 KFDM-6 KVOO-2; June15--KPRC-2 KTRK-13 WREC-3; June16--WBRC-6 WAPI-13 WREC-3 WKRG-5 KENS-5; June18--KCMO-5 KVOO-2 KYTV-3 WMCT-5 KOCO-5 WBAP-5; June19--WHAS-11 WLWT-5 KMOX-4 KXTI-12 KFVS-12 WREC-3 WPSD-6 KVTI-9 KTVI-2 WHEQ-13. Log now up to 69, with 18 new this month.

Bedford Brown Jr., Hot Springs, Arkansas---Via Es: June 4--KROD-4 CBFT-2 KMID-2 XEJ-5 KTVK-3 unID-7. Too bad you couldn't have IDed th at channel 7 skip, Bedford.

Robert Berg, Norfolk, Virginia---Via Es: June4--KUAT-6 (2005 mi) KVOO-2 KFEQ-2; June5--KMID-2; June6--KVOO-2; June7--WMT-2 WOC-6; June11--KTWO-2 (1700 mi) CKCK-2 (1750 mi) WKAQ-2 WORA-5; June12--CMBF-4 KVOO-2 CMQ-6 CMJL-6 CMAB-2 KXJB-4; June13--WKAQ-2 CMAB-2 KFEQ-2; June14--WMT-2; June15--KVOO-2; June16--WAIQ-2 KVOO-2 WBRZ-2 WWL-4 KTCA-2 KDAL-3 WDSM-6 KFSA-5 KTIV-4 KMOX-4 KARK-4; June19--KVOO-2 KCMO-5 KFEQ-2; June20--KVOO-2; June21--KVOO-2 WKY-4 WBAP-5 WPTV-5 WTVJ-4 CMQ-6 WTHS-2 CMHQ-5 WESH-2 CMAB-2 KFEQ-2 KPRC-2 KPAC-4 WCTV-6; June22--WKY-4 KVOO-2 KPRC-2 KPAC-4 KRIS-6 KBTX-3 KARK-4 KCMO-6 WWL-4 KRLD-4 KTIV-4 KFEQ-2 KENS-5; June23--CKCT-2 CKCK-2 KFSA-5 KVOO-2 KFEQ-2 KOTV-6 CMKU-2 CMBF-4; June24--KVOO-2. Via trops-- June2--WFTY-2; June5--WRC-4 WBTB-3 WFTY-2; June7--WECT-6 WCSC-5 WTVB-11; June11--WFTY-2 WDBJ-7 WBAL-11 WTTG-5 WRAL-5 WIAL-7 WTOP-9 WNCT-9; June12--WNCT-9 WJZ-13 WBAL-11 WDBJ-7 WIAL-7 WTOP-9 WFTY-2; June13--WBAL-11 WJZ-13 WNCT-9 WRAL-5; June14--WMAR-2 WECT-6 WRAL-5 WNCT-9 WTTG-5; June15--WTTG-5 WRAL-5 WNCT-9 WBAL-11 WIAL-7 WTOP-9 WDBJ-7 WFTY-2 WMAR-2 WRC-4; June16--WTTG-5 WRAL-5 WMAR-2; June18--WTTG-5 WRAL-5 WNCT-9 WECT-6; June19--WJZ-13 WTVB-11 WTTG-5 WIAL-7 WNCT-9 WRAL-5 WMAR-2 WRC-4 WTOP-9; June20--WNCT-9 WRAL-5 WTTG-5 WDBJ-7 WBAL-11 WMAR-2 WIAL-7; June21--WTTG-5 WIAL-7 WTOP-9 WBAL-11 WMAR-2 WRAL-5 WNCT-9 WFTY-2 WTVB-11 WMAR-2 WRC-4; June22--WIAL-7 WTOP-9 WRAL-5 WTTG-5 WNCT-9 WMAR-2 WRC-4 WECT-6; June23--WRAL-5 WTTG-5; June24--WTTG-5 WJZ-13 WRAL-5 WDBJ-7 WBAL-11 WSLS-10 WTOP-9 WNCT-9; June25--WNCT-9 WRAL-5 WTTG-5 WECT-6; June26--WDBJ-7 WTOP-9 WTVB-11 WMAR-2 WRAL-5 WIAL-7 WDBJ-7 WNCT-9 WJZ-13 WMAR-2 WRC-4; June27--WRAL-5 WIAL-7 WTOP-9 WBAL-11 WFTY-2 WJZ-13 WRC-4 WTTG-5. Bob's log jumped up 30 stations, to a total of 95 now. Nice going!!

Richard Bergen III, LaGrange, Kentucky---Via Es: May31--KMID-2; June3--KTVR-2; June7--KOOK-2 KMID-2; June16--KTWO-2 KTVR-2 KNOP-2. Via trops: June5--WCIA-3; June11--WSAZ-3; June18--KWTI-9 (695 mi); June19--WTOL-11 KTHV-11 KFVS-12 KRCG-13 WTAE-4 WSPD-13 WSAZ-3 WFAA-8 (735 mi) KDKA-2 WLAC-5; June20--WTRF-7. Nice going with the record-breaking trops....log now at 93, with 8 new.

Bill Meers, LaGrange, Kentucky---Via Es: June3--KTVR-2; June7--KMID-2; June21--KPRC-2 KMID-2 KGBT-4 KTWO-2 Spanish-2; June22--WTHS-2 KPRC-2 WOAI-4 KCEN-6 KMID-2; June23--KCKT-2 KMID-2 KPRC-2 KTWO-2 WTHS-2 WESH-2 Spanish-2. Via MS: June4--WTIC-3; June5--WCBS-2 WTIC-3. Via tropes: June1--WSBT-22; June3--WXYZ-7 WCHS-8; June9--WEKB-7; Jun e18--KMBC-9 WHBQ-13 WTVC-9 KWTW-9 (685 mi) KOMU-8; June19--KPLR-11 KTHV-11 KARK-4 KRCC-13 WCHS-8 KFIJ-11 (765 mi) KLTW-7 (690 mi) KOAM-7 (512 mi) KTTS-10 WFAA-8 (740) KDKA-2 WJZ-13 WBAL-11 WABC-7 (630 mi) WFBG-10 WNEF-12 (560 mi) WIIU-11 WTRF-7; June20--WGEM-10 WOOD-8 WDBJ-7 WREX-13 WMBD-31 WTVO-39 WEEK-43 WICS-20 KHQA-7. Congrats on the great tropes! Log now at 197, with 8 new this month.

Donald Ruland, Holly Hill, Florida---Via Es: June3--KARD-3; June6--HIT-4; June7--WCCO-4; June12--CHSJ-4 WHDH-5 WBZ-4 CBOT-4 WTMJ-4 WCIA-3 KGLO-3 KTVO-3 KYTV-3; June16--KBTX-3 WOAI-4; June17--CBOT-4 CKVR-3 CKSO-5 KDLO-3; June19--KOCO-5 WKY-4 KARD-3 KYTV-3 WDAF-4; June21--WTIC-3 KMTV-3 KARD-3 WKY-4; June22--XEW-3 KFDX-3 KGLO-3; June23--KGLO-3 KOCO-5 WKY-4 KFDX-3, KSYD-6; June24--KGLO-3; June26--KDAL-3 KMTV-3. Via tropes: June7--WJBF-6; June11--WIS-10; Jun e13--WECT-6 WBTW-8 WIS-10 WITN-7 (500 mi); June14--WECT-6 WIS-10 WBTW-8 WITN-7; Jun e15--WECT-6 WBTW-3; June16--WJBF-6; Jun e17--WJBF-6; Jun e19--WBTW-8 WIS-10; June21--WJBF-6; June23--WBTW-8 WITN-7; June24--WSFA-12 WIS-10; June30--WBTW-8 WTVD-11 WJBF-6 WIS-10 WITN-7. Log now at 167, with 4 new this month.

The DX has been good...and the average mileage changes from last month show it:

<u>DXer</u>	<u>Location</u>	<u>No. of stations</u>	<u>Average mileage</u>
Dee Johnson	Longview, Wash.	145	1196
Jin Dillon	Regina, Sask.	85	1057
Ken Neal	Hanlin, Texas	203	1007
Dennis Smith	Wasco, California	98	828
Don Ruland	Holly Hill, Fla.	167	788
Dave Webb	Springfield, Mass.	69	774
Robert Berg	Norfolk, Va.	95	749
Ed Bourgeois	Norco, La.	276	710
Norm Erint	Kennore, N.Y.	200	612
Frank Wheeler	Erie, Pa.	134	567
John Parillo	Girard, Ohio	158	555
Dick Nienan	Buffalo, N.Y.	233	517
Bill Draeb	Kewaunee, Wis.	247	506
Bill Nienan	Buffalo, N.Y.	189	502
Jin Pirch	Richmond, Mo.	84	482
Richard Bergen	LaGrange, Ky.	93	461
Ray Foster Jr.	Monroe, La.	69	411
John Dyckman	Caffield, Ohio	5	59

Tis convention time at last! As most of you read this, many of us will be leaving, getting ready to leave, or on our way to Chicago. If its good enough for the Democrats, then its good enough for us ALL to attend!! Hi!

A note to all tape-recording fans....yours truly now has a 3 3/4 & 7 1/2 IPS speed tape recorder, and will answer any and all tapes received.

Best of all & 73's,

Donald Ruland, SDX

"Your AIPA Monthly Meteor Scatter Column"  
Conducted by: Billy Draeb Ellis Street Kewaunee, Wis.

I am doing the Ms column one day early than usual (the 24th) which is today because tomorrow I have to go to Milwaukee to visit some relatives with my parents. I tried to get out of going but I guess most of you know how parents are. Hi! If your report isn't in the column this month then, it will be in next months. Well, here are the reports:

Bill Pagel, Glen Ellyn, Ill. --- May 18th WCBS-2, WBZ-4; May 22nd WCBS-2; May 24th WCBS-2; June 19th WLWD-2

B.J. Bingham, Festus, Mo. --- June 10th WUSN-2, WKTU-2, WRCV-3, WESH-2, WMAR-2, WCBS-2. Thanks B.J.

Donald Ruland, Holly Hill, Fla. --- June 1st WLWD-2; June 4th WGR-2, WLW-D-2.

Frank Hill "The Old Buckeye", Gallipolis, Ohio --- June 1st WCBS-2, WBBM-2, WJBK-2, KDAL-3, WKZO-3; June 3rd WMAR-2, WCBS-2, WBZ-4; June 5th WBBM-2, KDAL-3, WBZ-4; June 6th WCBS-2, WBZ-4; June 12th KDAL-3; June 16th WKY-4, KARK-4. Thanks a lot Frank.

Billy Draeb, Kewaunee, Wis. --- May 28th WCBS-2; May 31st WCBS-2, WSYR-3, WECT-6; June 1st WAGA-5; June 3rd WCBS-2; June 4th WRDL-4, KRLD-4; June 5th WLWD-2, KRLD-4, WRDL-4; June 6th WSYR-3, ???-8, ???-7; June 7th WCBS-2, WFIL-6, WSYR-3, unided RCA wedge TP & bullseye TP on ch. 7; June 8th WCBS-2, WMAR-2; June 11th ???-8, ???-11, ???-12; June 15th ???-8; 16th WCBS-2, WWL-4; 17th WECT-6; 19th WCBS-2.

From the looks of the reports I would say that Ms was on the weak side this month or those that sent in reports concentrated more on Es and Trops which is O.K. with me as far as that goes. I myself saw 5 new ones via Es and one new one via Trops since June 9th. My log is now at 247.

WFRV-5 recently celebrated their 5th birthday of being on the air. They had a special program with a birthday cake and all the personnell of the station. The way some of them talked you would think that WFRV-5 was one fo the pioneers in TV in Wisconsin which actually they are not. They've only been on for 5 years and were one of the last commercial stations to take the airwaves in Wisconsin. If I'm not mistaken I think WISC-3 and WITI-6 were the only two after WFRV-5 to come on the air. They put out one of the strongest signals in the state from their 999' tower which is 11650 above average terrain though. Es has to be pretty strong here on ch. 5 before it will override their signal which is the strongest of the three Green Bay stations here anyway.

As it looks now I don't think I'll be able to make the convention this year however there still might be a possibility of me being there but if I'm not I sure hope everyone has a good time.

That's about raps up the old column for this month then. Have a good time at the convention everyone and 73's.

Space, where does it start, where does it end? If it were possible to travel as far as you could see, then stop, you would still find space beyond that, of which many more stars would come into view. The immensity of space is there, and it is the most talked about subject of the century.

The question may be asked, "Who is on Venus or on the other planet. Is there life out there? Are we being watched? or listen to? Who knows? Some questions will be answered during this decade. May we feel free to let our minds wander into the future, that we may catch a glimpse of life on other planets. Perhaps peace prevails there with the inhabitants. Intelligence may be superior to ours. The beauty of plant life and other life might be supreme. Cities and farms may surpass anything here upon this earth. Flying saucers a means of travel, no highways, but landing places in every ones back yard. They may all abide with the law of consecration, and all beings having a high regard for one another. This could be the answer to the way of perfection. Perhaps some of these we may have superior cars, Nutronic vehicles that are antimagnetic, that will keep from coliding one with the other, thus reducing accidents.

May we now turn to some of the scriptures in the Holy Bible, refering to other worlds. HEB.1:2 Hath in these last days spoken unto us by his Son, whom he hath appointed heir of all things, by whom also he made the worlds. Colossians 1: 16-17 For by him were all things created that are in heaven, and that are in earth, visible and invisible, whether they are thrones, or dominions, or principallities, or powers; all things were created by him, and for him. 17: And he is before all things and by him all things consist.

Yet even back during the Biblical times, prophets were well aware of other worlds out in space. So now in these modern times, governments are spending vast ammounts, for this great adventure into the beyond.

In the 1800's, Bahauliah was a Persian prophet who founded Baha world faith, wrote the following. Know thou that every fixed star, hath its own planets, and every planet its' own creatures whose number no man can compute.

From the earliest days of organized astronomical science and observation there have been sightings of round and spindle shaped objects against the sun which could not be explained by ordinary laws of nature. During the eclipse on Sept.7, 1820, crowds in the streets of Ebrum saw great numbers of objects in the sky, moving in straight lines, counter marching and all were seperated by uniform spaces. On Dec.7, 1900 astromers at Lowell Observatory viewed for seventy minutes a long series of blinking lights on Mars. Professor Lowell at the observatory believed they could have been signals, while the eminent professor W.B. Pickering descibed them as " absolutely unexsplainable".

A dust like cloudlike object was seen for several days by Lowell in 1903. Changes in surface features were noted in 1909 on Mars. A new canal system was seen in 1909 and a vast yellow cloud was seen a month earlier fo four days. In 1911 another yellow cloud appeared. Martian clouds are generally white and dissipate by the way. These sightings still remain a mystery, and perhaps some one will come up with the right answers.

With kindess regards to all.

Thomas J. Hidley

"TV Corner" An optimistic D' Xer is a fellow, who has his bad brakes relined. A station brake, No ID! Oh Me!

"The Swappers Corner"  
July, 1960

Compiled by: Frank Hill,  
Box 147, Gallipolis, Ohio

By the time most of you members will be reading this, the final plans will have been made for the 1960 convention. Once again, my best wishes for a good time go out to all attending. I will be unable to attend, much to my sorrow. It would certainly be nice if all could go and meet Art and King and see for yourself what fine officers you have elected to guide our club. (Think of the "old buckeye" 'cause he'll be thinking of you). Watch them "cold ones" King.... but drink one for me. Hi!

My brother Gus Hill (AIPA member) who lives at 1978 Westfield Drive North, in Columbus, Ohio, has a 16" Tele-King television for sale. It needs a little audio work.....make your offer.

Does anyone have an old Atwater-Kent radio with the speaker on the top for sale?? Contact me. It must be in playing condition.

#### VERIFICATIONS--

Many members are now tape-recording their DX receptions. This is indeed another fine proof of reception. We might say that we all have our own system of obtaining veries....and since we are all in this hobby for our own personal enjoyment..to each his own. You are all doing the club work a great justice, no matter what system you use. All these systems of verification always make our hobby more convincing, and appealing to the non-DXer.

**HISTORICAL TV FACTS & FIGURES--** My thanks go out to the Department of Information, NBC, who were so kind in sending me loads of material. In 1929, Dr. V. K. Zworykin demonstrated an all-electronics TV receiver using the kinoscope, or picture tube, which he had developed. In 1930, NBC began operating W2XBS, pioneer experimental TV station in New York. In 1931, the Empire State Building was selected as the site for experimental NBC transmissions. In 1936, TV outdoor pickups were demonstrated by RCA at Camden, New Jersey, on six-meter wave across a distance of one mile. Watch this section as you will be seeing valuable historical facts from CBC, BBC, and many world-wide television stations and networks.

In closing, may I offer a big salute to Tom Hidley and friends for making the great 1960 convention possible.

Until next month,

73's from the  
"old buckeye"



## INTERNATIONAL TV-DX COLUMN

1960

Bryan Rawlings VE2AME

First off, my apologies for missing last month's column. Exams, among other things, kept me very busy. I have been very busy of late, and this in part accounts for this column being late, personal correspondence being behind, etc. I would like to thank all those of you who voted for me in the April elections and I shall certainly do my best to fulfill your trust. Thanks.

The last two months have been lean with reports of DX so there is little to report in the way of personal reports. Please send me your reports for June which should be a much better month.

The following is an up to date list of Canadian television stations now on the air:

## NEWFOUNDLAND

CJOX-TV	10	Argentia	.190/.097	Kilowatts
CBYT	5	Corner Brook	.197/.0985	
CJCN-TV	4	Grand Falls	7.3/3.6	
CJON-TV	6	St. John's	21/11	
CFSN-TV	8	Stephenville		
CFLA-TV	8	Goose Bay, Labrador		

## NOVA SCOTIA

CBHT	3	Halifax	100/56	
CJCB-TV-1	6	Inverness	6/3	
CBHT-1	12	Liverpool	.412/.248	
CFCY-TV-1	7	New Glasgow	.175/.0875	
CBHT-2	8	Shelbourne	.412/.248	
CJCB-TV	4	Sydney	100/60	
CBHT-3	11	Yarmouth	.412/.248	

## PRINCE EDWARD ISLAND

CFCY-TV	13	Charlottetown	79/39.5	
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## NEW BRUNSWICK

CKCW-TV	2	Moncton	25/15	
CBAFT	11	Moncton	.605/.327	
CHSJ-TV	4	Saint John	100/50	

## QUEBEC

CFCM-TV-1	75	Clermont	.010/.010	Input power, not ERP
CJES-TV	70	Estcourt	.010/.010	
CKRS-TV	12	Jonquiere	20/10	
CKBL-TV	9	Matane	160/95	
CBFT	2	Montreal	100/50	
CBMT	6	Montreal	43.8/26.2	
CHAU-TV	5	New Carlisle	100/52	
CKMI-TV	5	Quebec City	5.6/2.8	
CFCM-TV	4	Quebec City	12.7/6.35	

# INTERNATIONAL TV-DX COLUMN CONT.

## QUEBEC cont.:

CJBB-TV	3	Rimouski	100/56.9	
CKRN-TV	4	Rouyn-Noranda	50/25	
CHLT-TV	7	Sherbrooke	312/186	
CKTM-TV	13	Trois Rivieres	6.75/3.37	will change to 84.5/42.25

## ONTARIO

CKVR-TV	3	Barrie	100/50	
CJSS-TV	8	Cornwall	260/130	
CFCL-TV-2	2	Elk Lake	3.52/1.76	
CKSO-TV-1	3	Elliott Lake	4/2	
CHCH-TV	11	Hamilton	150/90	
CFCL-TV-1	3	Kapuskasing	8.8/4.4	(wayts)
CBLAT	8	Kenora	500/247	
CKWS-TV	11	Kingston	101/60.6	
CKCO-TV	13	Kitchener	100/50.4	
CFPL-TV	10	London	325/195	
CKGN-TV	10	North Bay	51.5/27.75	
CBOFT	9	Ottawa	55/31	
CBOT	4	Ottawa	50.1/26.7	
CHEX-TV	12	Peterborough	260/156	
CFCJ-TV	2	Port Arthur	28/15	
CJIC-TV	2	Sault Ste. Marie	28/15	
CKSO-TV 3	5	Sudbury	30/16	
CFCL-TV	6	Timmins	18.5/9.25	
CBLT	6	Toronto	99.5/53.5	
CKLW-TV	9	Windsor	325/180	
CKNX-TV	8	Wingham	180/100	

## MANITOBA

CKX-TV	5	Brandon	19.3/9.65
CBWT	3	Winnipeg	57.8/34.7
CBWFT	6	Winnipeg	2.87/1.72

## SASKATCHEWAN

CHAB-TV	4	Moose Jaw	100/53
CKBI-TV	5	Prince Albert	61/36.5
CKCK-TV	2	Regina	100/53.5
CFQC-TV	8	Saskatoon	325/180
CJFB-TV	5	Swift Current	13.3/6.65
CKOS-TV	3	Yorkton	5/2.5

## ALBERTA

CHCT-TV	2	Calgary	100/50
CFRN-TV	3	Edmonton	180.3/90.43
CJLH-TV	7	Lethbridge	96.1/44.9
CHAT-TV	6	Medicine Hat	5.7/3
CHCA-TV	6	Red Deer	13/6.5

That's all. I don't mean of Canada but of this column for this month. I'll stick British Columbia and ~~xxx~~ its nine stations in for next month. Let's see those reports and best of DX & luck.

sk

BRYAN

by Dee Johnson, 146 Maddock Pl. Longview, Washington

LETTERS -AND- D X-REPORTS.

Charles Wood of Ashland, Oregon writes that the Western Convention will be at his place for sure in the month of July..so write him for details..if you want to attend. His log reads: May 24, KOTA-3/KDUH-4/May 29, KOTA-3/KDUH-4 and unid ch. 2,3,4,5,6..with photo verie of KID-3 TP/and tropes on ch.7 from the north. June 2, unid on ch.4. by skip/Hune 6, KTVK-3/XEM-3/KROD-4/ June 8, KVOA-4/KTVK-3/KPHO-5/XEM-3/XETV-6 new/June 11, KDUH-4/KOTA-3/KNOP-2/ June 13, KOIN-6 by ms and tropes at 235 miles./June 14, CKCK-2/by ms/June 15, KTWQ-2/ by ms / and by exc tropes...KPIC-4/KOIN-6/KGW-8/KVAL-13/KOMO-4/KTNT-11(tent) June 16, CHCT-2/KDUH/KOTA/KOOK/KRTV-3/ June 17, KTLA-5 new/KRCA-5/KNXT very ghosty and bursty/KTIV/KVOO new/IHTP-4 from east/IHTP-3 from NE/ June 18, KEYT/KTLA/KRCA/KNXT/KSBY-6 new..by short skip./KVOO-2/KDLO/KDUH/KOTA/KNOT/KHPL/KID/KHAS/ June 21, KMID/KTWO/KDUH/KOTA/... 4 new stations bringing his total up to 94..with about 60 veries ..Thanks Charles..

Dennis Smith writes that he got a new microphone for his tape recorder..a Electro-Voice dynamic mike...and I owe him a tape..I am so slow at sending back tapes..please forgive me Dennis..I shall try to get it back to you soon. Dennis says that they have been having some hot weather..above 100 degrees..kinda hot! On June 11 he logged one new station..KXLE-4 in Butte, Montana by Es..that makes a total of 98 for him. On June 21, he saw EPRC-2 for the first time since 1956. Glad to hear from you Dennis..as always.

A nice little note was received from MRS. ED HEPP...new address is..2002 N. Park Ave...Tucson, Arizona....

Gordon Simkin writes from Idaho that Dx has sure been poor there too..MAY30, KVOO-2/KFEQ-2/WOAF-4/WICT-5/WKY-4/May 31, KFDX-3/KYTV-3 new/ 60 sec ms bursts on 2 stations..ch. 2 and 11...amazing....KTVI-2/WMT-2/KRLD-4/KCKT-2/KVOO-2/KGNC-4/WBFF-4 new/WBAY-2/WOI-5/ June 6, KMID-2/KGBT-4/KEDY-4/unid spanish audio on ch. 4/June 9, WBRZ-2/WOAI-4/WTOM-4/KTUA-2/WDAF-4/KOMO-5/KGBT-4 new/KVOA-4/ and a unid spanish ch.5 which might have been XEJ/..Gordon can't come to the western Convention Thanks for Card Gordon...

Don Ruland of Florida writes that DX was pretty good on June 6, ..and that he got 3 new ones this time..HIT-4 WCCO-4 and WHDH-5.. Don has a job now as pick-up boy (better watch that!!) for a local Cadillac and Buick company...

Jim Pirch says that this month he logged 23 new ones...WOWIE... May 24, WDSU-6/WWL-4/WBRZ-2/May 30, WSB-2/WSAV-3/WESH-2/May 31, KOOK-2/ June 1, KYW-3/June 2, KETC-9/KPLR-11/KMOX-4/KSD-5/KTVI-2/June 3, WSAZ-3 June 6, KBOI-2/June 7, WCBS-2/WRCV-3/June 8, WUNC-4/WTAR-3/WFLY-2/WUSN -2/WTVR-6/June 9, KTVK-3/June 13, KGLO-3/KWWL-7/WMT-2/June 16, WEAR-2/WAIQ-4/KID-3/KXLE-4/WESH-2/WJXT-4/KBOI-2/KUTV-2/KTLE-6/June 17, WESH-2/WRC-4/June 18, WPSD-6/KWTV-9/KTHV-11/and KARK-4 ...Nice going....

Ed Rugel writes for the first report in 10 months..he will be a senior in the U. of Kansas in Sept..June 9, XEZ-3/KTVK-3/WTWV-7 new/ June 18, KTWQ-2/new/KMOX-4/WHBQ-13/KTHV-11/WSIX-8/June 19, KFJZ-11 new KTBS-3/WBAP-5/KFVS-12/KCMC-6/KRLD-4/WFAA-8/KSWO-7/new/June 21, KGBT-4/ WTVJ-4/KRGV-5/XHTV-4/XEW-2/XEFB-3/XEJ-3/ new total is 207 logged with 200 veries..and KTWQ-2 now brings his total number of states to 40 logged.Does anyone have a verie signer and address for XEJ-3..if so please let Ed KNOW....also KCRA-3 and CMH-3.

Western DX.....

C on't....

July , 1960

Ed Rugel also writes that he has installed a new Riviera Rembrant electronic rotating yagi which eliminates a rotor and should prove very effective..he hopes..but if it should not work out as he expects..he shall ship it back. Thanks for writing Ed.

Morris Foote of Idaho logged 2 new stations this past month..on ch. 5. Something unusual and unid happened on May 29 to Morris, .. he saw a IHTP on ch. 2,3,4,5,6,..all by skip..no id's except CBWT-3 To bad you couldn't id the others Morris....May 24, WAGA-5 new/WDAF-4/KCMO-5/May 29, IHTP-ch. 2,3,4,5,6,../CBWT-3/WKY-4 by ms/on May 30,/ May 31, WOI-5 KTIV-4/KTVQ-3/WDAF-4/KFDX-3/KHAS-5/WOW-6/KTIV-4/WCCO-4/ Minnesota ch.6/KXJB-4/June 3, KFEQ-2/by ms/June 8, KVOO-2/and KFEQ-2 by ms/June 11, ch.6 in Nebraska/KNXT-2/KCMO-5/ch.6 in Missouri/June 12 KTLE-6 by tropes/June 13, KROD-4/June 14, KMID-2 by ms/June 15, KTLE-6 by tropes, KID-3/KSL-5 new/KOCO-5 by Es.

My log reads; May 29, KDIX-2/CKCK-2/KTVT-4/KUTV-2/KNXT-2/May 31, KNXT-2/KOOK-2/KOTA-3/KDUH-4/KMTV-3/KNOP-2/KDIX-2/CKCK-2/KTCA-2/CBWT-3/ June 6, KNXT-2/XEM-3/KRCA-4/KEYT-3/and weak framing bars visable only S.W...in direction of Hawaii..on ch.2...for several minutes in the late evening hours..after skip had moved from S.E. to South..and then to....S.W.....?? Could have been KONA-2 in Hawaii. June 11, KTIV-4/KOTA-3/KDIX-2/KDLO-3/KFYR-5/KTVK-3/KNXT-2/KEYT-3/ June 16, KMID-2/KUTV-2/KTVR-2/June 17, KCKT-2/June 18, KEYT-3/KNXT-2/KRCA-4/KTLA-5/ unid ch. 6/KTVU-2/KLRJ-2/June 21, KTVK-3/KVOA-4/KNXT-2/XEM-3/KCRA-3/KTVU-2/KRCA-4/KOA-4/KCSJ-5/KTVR-2/June 22, KDIX-2/June 28, KNOP-2/KARD-3/unid ch. 4 and 5,/KTVR-2/...no new ones...

We either better get some dx during this month (July) or else we shall have to wait till next year....what a horrible year this has been for dx..

LOTS OF LUCK..

DEE

Unidentified Programs(All time is Eastern Standard Time.)

M orris Foote, Box 153, Middleton, Idaho

May 31 10:25am ch.4 pictures of insects, woman explaining; 10:30am  
call letters WGW or WGM or WG? arranged vertically on left  
May 31 3:56pm ch.6 ad for better schools, Minn. Ed. Ass.(KMMT,WDSM?)  
Jun 10 8:00pm ch.5 looked liky Snow White and the 7 Dwfs, Grumpy talk-  
Jun 11 8:45pm ch.6 ad for implement house, sounded like BruneauNebr~~ing~~  
I couldn't find a Bruneau,NEbraska in atlas, Bedford.  
Jun 11 11:25am ch.2 ms-bullseye tp with 2 in center,diagonal lines  
with writing, and what looked like KLU in upper left corner.  
Jun 11 2:30pm ch.6 record review program with young people dancing,  
girl with birthday 6-11 mentioned McConnell Air Force Base.  
Jun 11 2:50 pm ch.6 possibly same stn as abv-special soil conserv~~l~~  
survey, at 3:00pm mentioned Jefferson City, Mo.(Try Sedalia, B)  
Jun 20 8:30am ch.2 mentioned Garden City(Probably KCKT-Great Bend,B)  
Morris also sends best wishes for the convention!

Dennis Smith, 450 Poplar Avenue, Wasco, California

1. Jun 11 12:30pm ch.4 film on how TV works; TVGuide mag. mentioned;  
films probably sponsored by TV Guide.
- 2..Jun 11 2:55pm ch.5-ne(prob KXLF-KOOK-CHCT area) ABC Big Leagues  
Baseball Game
3. Jun 18 6:30pm ch.2-end of \$Safeco Sports Special
4. Jun 18 6:25pm ch.3-local live rock&roll dance show, possibly ne
5. Jun 18 7:45pm ch.2&ch.3-cartoon "The Guilty Conscience"(XEW-2,3,Bed?)

Dennis also sends best wishes for the convention. Dennis thought that this June was the worst ever for E-skip. He also complains about the dry heat and asks if it's that way in St. Louis. Not Quite, Dennis. During the past ~~xx~~ six days we have received almost seven inches of rain in numerous thunderstorms, three damaging wind and hailstorms, and one small tornado to the tune of \$4,000,000 damage. Never a dull moment at St. Louis Weather Bureau.

July DXing Horizons Features Donald Ruland in its TV Reporting Section (the beginning of monthly reviews of Dxing Horizons by CCI)

We are proud of the fact that Don Ruland, our own SDX Editor, is featured in Dxing Horizons this month. As usual, the July issue of Dx-H is filled with the latest news and information that would interest any dxer. Feature articles include the second part of James Gould's helpful article, "The Ultimate TV Receiver", concerning improvement of tv sets. Also of interest to AIPAers is the article on the UHF-VHF problem. The article reveals the acceptability of UHF as well as the increasing problem of VHF co-channel interference. There follows this a report on some amazing UHF troposcatter in California(don't throw away those converters, boys) The first of a series of Cable TV articles called "Bringing TV To Marathon" begins this month. Turning to antennas the second part of F. R. Voorhaar's excellent weak-signal antenna article deals with the proper combination of two or more antennas into an array. Following this is an interesting article on the Winegard Trans-coupler Yagi and its superb single-channel gain.

While FM editor, Bruce Elving, is in transit between Kansas and Minnesota, the July FM Reporting Column will be devoted to a report on tests conducted with an FM Converter for the car. The regular column will return in August.

The shortwave section of DX-H is very interesting this month for those AIPAers who like SW-DX. Featured articles are:1-the second in a series about Swedish SW-dxing by Sven Elfving 2-Dx-H Salutes "Democracy's Mouthpiece"-VOA; 3-powerful KFRN(15.180), Dallas, begins this fall.

Until the Convention or August, whichever it may be, 73's&best dx, BB